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NOTICE OF ALLOWANCE AND FEE(S) DUE

22204

7500

01/26/2010

NIXON PEABODY, LLP 401 9TH STREET, NW SUITE 900 WASHINGTON, DC 20004-2128 EXAMINER

NGUYEN, THANH T

ART UNIT PAPER NUMBER

2893 DATE MAILED: 01/26/2010

APPLICATION NO. FILING		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/772,586	02/06/2004	Shunpei Yamazaki	740756-2707	2329

TITLE OF INVENTION: METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE AND DISPLAY DEVICE UTILIZING SOLUTION

EJECTOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/26/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

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	ENCE ADDRESS (Note: Use BI	ock 1 for any change of address)		Fee(s	s) Transmittal. This rs. Each additional	certif paper.	icate cannot be used for	r domestic mailings of the or any other accompanying nt or formal drawing, must
22204 NIXON PEAB 401 9TH STREE SUITE 900	ET, NW	/2010			Cert	ificate	of Mailing or Transı	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
WASHINGTON	I, DC 20004-2128							(Depositor's name)
								(Signature)
	_		l					(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	TOR		ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
10/772,586 ITLE OF INVENTIO JECTOR	02/06/2004 N: METHOD OF MA	NUFACTURING SEM	Shunpei Yamazak ICONDUCTOR DEV		AND DISPLAY		740756-2707 ICE UTILIZING SO	2329 LUTION
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nonprovisional	NO	\$1510	\$300		\$0		\$1810	04/26/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS	ASS				
NGUYEN,	THANH T	2893	438-151000	_				
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter. (2) the name of a s registered attorney	of a single firm (having as a member a orney or agent) and the names of up to patent attorneys or agents. If no name is				
PLEASE NOTE: Unl recordation as set forti (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on the Ta substitute for filing (B) RESIDENCE: (C	ne pa g an a	tent. If an assigne ssignment. and STATE OR Co	OUNT	RY)	ocument has been filed for up entity
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a. The following fee(s): Issue Fee Publication Fee (N Advance Order - #	 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 							
	tus (from status indicated s SMALL ENTITY statu	,	☐ b. Applicant is no	long	er claiming SMAL	L ENT	TITY status. See 37 CF	FR 1.27(g)(2).
OTE: The Issue Fee and terest as shown by the	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other the Office.	an th	e applicant; a regis	tered a	uttorney or agent; or th	e assignee or other party in
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n application. Confident abmitting the completed his form and/or suggesti	tiality is governed by 35 d application form to the ions for reducing this but firginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the	1.14. This collection is depending upon the is e Chief Information O	s esti ndivi ffice:	mated to take 12 m dual case. Any cor . U.S. Patent and 1	ninutes mment Fraden	to complete, including s on the amount of tin park Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and ne you require to complete the tent of Commerce, P.O. for Patents, P.O. Box 1450.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/772,586 02/06/2004		Shunpei Yamazaki	740756-2707 2329		
22204 7	590 01/26/2010		EXAMINER		
NIXON PEABO	DY, LLP	NGUYEN, THANH T			
401 9TH STREET	, NW	ART UNIT	PAPER NUMBER		
SUITE 900 WASHINGTON,	DC 20004-2128		2893 DATE MAILED: 01/26/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 107 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 107 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)					
	10/772,586	YAMAZAKI, SHUNPEI					
Notice of Allowability	Examiner	Art Unit					
	THANH T. NGUYEN	2893					
The MAILING DATE of this communication appearable claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS					
1. X This communication is responsive to <u>12/15/09</u> .							
2. X The allowed claim(s) is/are <u>1,3,5,6,13-15,17,18,27,28 and</u>	<u>31-34</u> .						
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements					
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 							
5. X CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.						
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached							
1) hereto or 2) to Paper No./Mail Date							
(b) including changes required by the attached Examiner's Paper No./Mail Date <u>9/8/09</u> .	(b) ☑ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date <u>9/8/09</u> .						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t							
6. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT							
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 12/15/09 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal Pages No./Mail Dat Paper No./	(PTO-413), e					

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Art Unit: 2893

EXAMINER'S AMENDMENT

The following is an examiner's statement of reasons for allowance:

Claims 1, 3, 5-6, 13-15, 17-18, 27-28, 31-34 are allowed because none of the prior art alone or in combination teaches or suggests the particular subset of the process steps in etching the wiring using an atmospheric-pressure plasma device having a linear plasma generator using the resist mask as a mask by generating plasma between a first electrode of the linear plasma generator and a second electrode surrounding the first electrode of the linear plasma generator, wherein at least the first electrode has a sheet-like shape or wherein the solution ejector has three ejection ports forming a triangle.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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Art Unit: 2893

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Nguyen whose telephone number is (571) 272-1695, or by Email via address Thanh.Nguyen@uspto.gov. The examiner can normally be reached on Monday-Thursday from 6:00AM to 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Davienne Monbleau, can be reached on (571) 272-1945. The fax phone number for this Group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pairdirect.uspto.gov. Should you have questions on access to thy Private PAIR system, contact the Electronic Business center (EBC) at 866-217-9197 (toll-free).

/Thanh T. Nguyen/

Primary Examiner, Art Unit 2893